RESCUE 21

ACCEPTANCE CEREMONY

UNITED STATES COAST GUARD
AIR STATION ATLANTIC CITY

ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY

DECEMBER 20, 2005

Rescue 21 – Saving Lives in the 21st Century

Rescue 21 is a maritime command and control communications system. Intended to replace the National Distress and Response System, *Rescue 21* blends engineering ingenuity with technological advancements to provide critical communications infrastructure for all Coast Guard missions. The result is a cutting-edge tool for improved mission performance for the United States Coast Guard.

Today, we formally accept the *Rescue 21* system in Atlantic City, New Jersey and Eastern Shore, Virginia. We salute the crews at both locations who dedicated time and resources to learning and accepting this new technology while contributing innovative ideas to enhance the system. This historic moment also marks a significant milestone in our history of standing the watch dating back to our inception in 1790.

The *Rescue 21* Project will deliver results that are measurable, support the President's Management Agenda, directly contribute to the Coast Guard's role within the Department of Homeland Security, and help to achieve outcomes already identified in the Coast Guard's Maritime Strategy for Homeland Security. *Rescue 21* allows the Coast Guard to work collaboratively with other agencies including the Department of Defense and civilian agencies using federal communications interoperability standards.

In addition to search and rescue, *Rescue 21* provides command and control communications capability to support all coastal missions including homeland security, law enforcement, and environmental protection. The system further:

- incorporates direction-finding equipment to improve locating mariners in distress
- improves interoperability amongst federal, state and local agencies
- enhances clarity of distress calls
- allows simultaneous channel monitoring
- upgrades playback and recording feature of distress calls
- reduces coverage gaps for coastal communications and along navigable rivers and waterways
- supports Digital Selective Calling, providing Global Positioning System capabilities
- portable towers for restoration of communications during emergencies or natural disasters

For additional information, visit us at:

http://www.uscg.mil/rescue21

21 Minute Rescue Highlights *Rescue 21* Advantages

In the chilly November waters of Ocean City Inlet, Maryland, three fishermen placed a frantic call for help to the United States Coast Guard, reporting a location which later proved inaccurate. As their vessel capsized, the trio instantly lost communications with their rescuers. Though Coast Guard crews responded quickly to the reported location, there was no sign of the mariners in distress. With his final transmission, the boat captain conveyed an eerie sense of helplessness.

Meanwhile, the *Rescue 21*'s direction-finding equipment clearly pinpointed a latitude and longitude, placing the vessel nearly three miles away from the reported location. Within minutes, Coast Guard crews were on scene and safely rescued the fishermen. One, a man in his 70's, was plucked shivering from the water moments before the onset of hypothermia. This blend of ingenuity and advanced technology helps the Coast Guard continue a longstanding tradition of standing the watch and saving lives. The *Rescue 21* system provides a cutting edge coastal communications system. Partnering with General Dynamics C4 Systems, the Coast Guard has a vital maritime command and control system that taps into innovative technology and best practices from industry.

How it works

A boater in distress has two options to take full advantage of *Rescue 21*: by hailing the Coast Guard on VHF channel 16, or if properly equipped, by pushing the Digital Selective Calling (DSC) button on their radio. These signals are transmitted to a network of *Rescue 21* communications towers, which relay the information to the appropriate Coast Guard communications center. A watchstander on duty 24/7 receives the call and coordinates appropriate response units. The command center relays information to federal, local, state, and military officials as needed, helping to bridge the interoperability gaps with other law enforcement agencies and first responders. A DSC call will indicate the vessel's name, characteristics, and exact GPS location provided the boater registers for an MMSI number and connects the DSC radio to the GPS. A distress signal received on VHF channel 16 will display geographic lines of bearing indicating the caller's location. Coverage gap reduction, enhanced call clarity, and automatic recording capabilities provide watchstanders with the ability to replay scenarios to improve response execution.

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Gerard J. DeMuro
Executive Vice President
Information Systems & Technology
General Dynamics

Gerard J. DeMuro was named an executive vice president of General Dynamics in October 2003. He is responsible for the company's Information Systems and Technology group, which includes Advanced Information Systems, C4 Systems, Network Systems and General Dynamics United Kingdom, Ltd. He had been a vice president of General Dynamics since February 2000 and president of General Dynamics C4 Systems from January 2002 to November 2003.

Mr. DeMuro began his career in government service in 1977 and advanced through several positions as a Department of Defense acquisition official. In 1986, he joined GTE Government Systems and served in contracting positions, including director of contractual relations for GTE's Mobile Subscriber Equipment (MSE) division from 1988 to 1993. He then directed the company's $4.3 billion MSE program with the U.S. Army, before becoming vice president and general manager of GTE's Army tactical communications systems business in October 1994. Three years later, he was promoted to vice president and general manager of GTE's Communication Systems division. He joined General Dynamics when the company acquired the GTE division in September 1999 and renamed it Communication Systems. He became president of General Dynamics C4 Systems when it was formed in January 2002.

Mr. DeMuro was born in Philadelphia, Pennsylvania, in December, 1955. He earned a bachelor's degree in communications from the University of Pittsburgh in 1977 and a master's degree in business administration from Fairleigh Dickenson University in 1986. He serves as a director for Armed Forces Communications and Electronics Association's MILCOM (Military Communications) international symposia and the National Science Center. He is a member of AFCEA International Executive Committee, the Association of the United States Army, and the National Contracts Management Association.

The Ceremony

Musical Selections

Arrival of Official Party
Mr. DeMuro, General Dynamics
Admiral Collins, Commandant, USCG
The Honorable Frank LoBiondo,
Chairman of the House Subcommittee on Coast Guard
and Maritime Transportation

National Anthem

Posting of Colors
Coast Guard 1790 Color Guard

Invocation
Lieutenant Commander Gillen, Chaplain

Guest Speakers
Admiral Collins, Commandant, USCG
The Honorable Frank LoBiondo

Acceptance of *Rescue 21*
Admiral Collins, Commandant, USCG

Guest Speaker
Mr. DeMuro, General Dynamics

Prayer of Dedication
Lieutenant Commander Gillen, Chaplain

Retirement of Colors
Coast Guard 1790 Color Guard

Departure of Official Party

Guests are invited to view the *Rescue 21* System
at a reception provided by the USCG Foundation.

Thomas H. Collins
Commandant
U.S. Coast Guard

Admiral Thomas H. Collins assumed the duties of Commandant of the U.S. Coast Guard on May 30th, 2002. His leadership priorities are readiness, people and stewardship. He is a champion of emerging technology and innovative methods to improve mission performance.

Prior to becoming Commandant, he served as Vice Commandant, creating the Innovation Council, spearheading process improvement initiatives and implementing system enhancements. As Commander, Pacific Area and Eleventh Coast Guard District, he developed a successful Coast Guard response to the increase in illegal drug and migrant smuggling traffic in the Eastern Pacific. Other flag assignments include serving as Commander, Fourteenth Coast Guard District in Honolulu, HI and Chief, Office of Acquisition at Coast Guard Headquarters where he managed twelve major systems worth nearly $3 billion and laid the foundation for the Integrated Deepwater System Project. He also served as the Chief, Programs Division at Coast Guard Headquarters and the Coast Guard's Deputy Chief of Staff.

Admiral Collins began his Coast Guard career as a deck watch officer and first lieutenant aboard the cutter VIGILANT. Following that assignment, he served a two-year tour as Commanding Officer of the cutter CAPE MORGAN, a patrol boat homeported in Charleston, SC. Shore operational assignments include serving as Deputy Commander, Group St. Petersburg, FL, and Commander of Coast Guard Group and Captain of the Port, Long Island Sound, New Haven, CT.

Graduating from the Coast Guard Academy in 1968, he was proud to serve as a faculty member within the Humanities Department. He earned a Master of Arts degree in Liberal Studies from Wesleyan University and a Master of Business Administration from the University of New Haven. The Admiral is the recipient of the Coast Guard Distinguished Service Medal, the Legion of Merit (three awards), the Meritorious Service Medal (two awards), and the Coast Guard Commendation Medal (three awards).

A native of Stoughton, MA, Admiral Collins is married and has two daughters.

Rep. Frank A. LoBiondo
Chairman of the House Subcommittee
Coast Guard and Maritime Transportation

U.S. Rep. Frank A. LoBiondo has been a lifelong resident of Southern New Jersey and a successful small businessman who worked for 26 years at his family owned and operated trucking company. Congressman LoBiondo is also an active participant in numerous civic and charitable efforts. Building on these accomplishments, he chose to continue his community service by entering public life.

Congressman LoBiondo has been elected to serve the area on the county and state levels, first on the Cumberland County Board of Chosen Freeholders from 1985-87 and then in the New Jersey General Assembly representing the First Legislative District from 1988-1994. In November 1994, Congressman LoBiondo won election as the U.S. Representative from New Jersey's Second Congressional District and is now serving his sixth consecutive term.

A member of the House Transportation & Infrastructure Committee, Congressman LoBiondo serves as Chairman of the Subcommittee on Coast Guard & Maritime Transportation and is a member of the Subcommittee on Highways and Transit and the Subcommittee on Aviation, all of which are important to addressing New Jersey's growing and ever-changing transportation needs. He was also named to serve on the House Armed Services Committee and serves on that panel's Terrorism, Unconventional Threats and Capabilities Subcommittee and the Tactical Air & Land Forces Subcommittee. In these posts, Congressman LoBiondo keeps a vigilant watch over national security and is a champion for New Jersey's military bases and personnel, reminding national leaders of the important contributions these local bases, units and people make to protect our state and our nation.

Congressman LoBiondo has also maintained a strong commitment to protecting the environment, working to protect fragile wildlife and wetlands areas and fighting for projects that will protect, preserve and restore the New Jersey coastline. His work in Congress has won recognition from many groups including the Wilderness Society for his work to protect national wildlife refuges and by the League of Conservation Voters and Sierra Club for his efforts to protect the environment.

Congressman LoBiondo, 59, received a B.A. in Business Administration from St. Joseph's University in Philadelphia and lives in Atlantic County with his wife Tina.